

## PATENT ABSTRACTS OF JAPAN

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## (54) OSTEOANAGENESIS PROMOTING AGENT

## (57)Abstract:

PROBLEM TO BE SOLVED: To provide an osteoanagenesis promoting agent enabling quick, safe and sure osteoanagenetic treatment, quickly proceeding the ossification to improve the osteoanagenetic power and useful for the method for osteoanagenesis to achieve good ossification of the transplanted bone compared with conventional methods and provide a base for osteoanagenesis containing the agent.

SOLUTION: The osteoanagenesis promoting agent contains platelet-rich plasma(PRP). The base for osteoanagenesis contains a marrow piece bone and the osteoanagenesis promoting agent. The invention further provides a platelet-rich plasma(PRP) produced by a specific process and having improved osteoanagenesis promoting action.

## LEGAL STATUS

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- 3.In the drawings, any words are not translated.

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## CLAIMS

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[Claim(s)]

- [Claim 1] The osteoanagenesis accelerator characterized by coming to contain platelet rich plasma (PRP).
- [Claim 2] The osteoanagenesis accelerator according to claim 1 whose platelet rich plasma (PRP) is the platelet rich plasma (PRP) carries out by dividing the concentration for degranulation-izing of blood into multiple times by a necessary rotational frequency and time amount with a centrifuge method, and pass the plasma skimming process.
- [Claim 3] The osteoanagenesis accelerator according to claim 2 using the platelet rich plasma (PRP) produced by performing 1st centrifugal separation between parts (4\*\*1) by rpm (2000\*\*500), and performing 2nd centrifugal separation between parts (5\*\*0.25) by rpm (3300\*\*100).
- [Claim 4] The osteoanagenesis accelerator given in any of claims 1-3 they are used for playback of a jaw.
- [Claim 5] The basis for osteoanagenesis which comes to contain an osteoanagenesis accelerator given in any of a bone marrow bone chip and claims 1-3 they are.
- [Claim 6] Furthermore, the basis for osteoanagenesis according to claim 5 which comes to contain a calcium chloride solution and a thrombin.
- [Claim 7] The basis for osteoanagenesis according to claim 6 which it comes to fill up the macromolecule mesh tray of biodegradation absorptivity.
- [Claim 8] The basis for osteoanagenesis given in any of claims 5-7 they are used for playback of a jaw.
- [Claim 9] Platelet rich plasma with which the operation which promotes the osteoanagenesis was reinforced (PRP).
- [Claim 10] Platelet rich plasma according to claim 9 carries out by dividing the concentration for degranulation-izing of blood into multiple times by a necessary rotational frequency and time amount with a centrifuge method, and pass the plasma skimming process (PRP).
- [Claim 11] Platelet rich plasma according to claim 10 produced by performing 1st centrifugal separation between parts (4\*\*1) by rpm (2000\*\*500), and performing 2nd centrifugal separation between parts (5\*\*0.25) by rpm (3300\*\*100) (PRP).
- [Claim 12] The production approach of platelet rich plasma (PRP) characterized by facing performing concentration for degranulation-izing of blood with a centrifuge method, performing 1st centrifugal separation between parts (4\*\*1) by rpm (2000\*\*500), and performing 2nd centrifugal separation between parts (5\*\*0.25) by rpm (3300\*\*100) that the operation which promotes the osteoanagenesis was reinforced.

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